

Addressing the challenges that planet earth is facing

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Origins and a signature approach to learning

https://www.cranfield.ac.uk/about/about



Cranfield University was established as a College of Aeronautics in 1946. Since then, we have developed a global reputation in engineering, management, defence and security and in environmental sustainability.

https://www.cranfield.ac.uk/about/history-and-heritage

- A specialist postgraduate
 University creating leaders in technology and management.
- Our expertise faces the business sectors we serve. We call these 'Themes'. Each is led by an international Professor. We are motivated by the practical difference we make to business, commerce and Government.
- We offer pgCert, pgDip, MSc, MBA, PhD, EngD award-bearing courses and a host of professional and executive programmes in management and technology specialisms.



Institutional Academic Partnerships – a selection



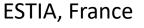
Muscat University, Oman















UTC, France



NUAA, China

DIAT, India





BOKU, Austria

Universität für Bodenkultur Wien University of Natural Resources and Life Sciences, Vienna



UPM, Spain





École des Mines, France





Vellore, India



TNAU, India



Beihang, China

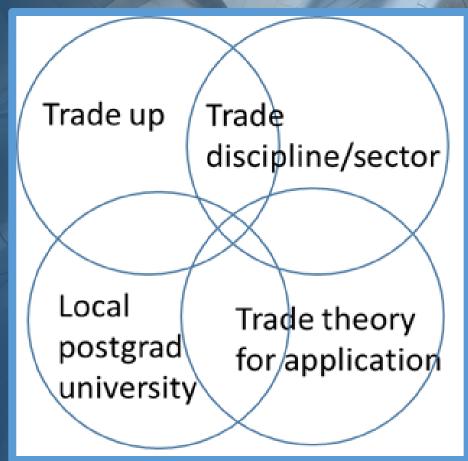
Northeastern University, US



The sectors we serve

Our expertise is in our deep understanding of technology and management and how these work together to benefit the world

- Aerospace
- Defence and Security
- Energy and Power,
- Environment and Agrifood
- School of Management
- Manufacturing
- Transport Systems
- Water and Design





A premier learning experience for professionals



Executives attend our Continued Professional Development (CPD) programmes every year

Postgraduate students every year

Doctoral students every year



- Come from outside the UK (100+ countries)
- Study part-time while in employment



Environmental protection through engineering, data science and management

1970s

1980s

1990s

2000+

Enabling concepts: units processes, flow, mass balance

community engagement, duty of care environmental health engineering

risk assessment

resource productivity, planetary health

wastewater treatment

solid waste management

air pollution control

water treatment

noise and nuisance ionising radiation

hazardous wastes

contaminated land

global change

circular economy

design and life cycles

Enabling sciences: chemistry, biology, hydrology, physics

toxicology, soil & atmospheric sciences

multiphase flow, design studies

The challenges planet earth is facing

Warming, resource depletion, biodiversity loss'
[...] and for employable students seeking returns on their postgraduate award:

circular economy, green finance, sector transitions, 'Society 5.0', advocacy, artificial intelligence, autonomy, getting to net zero, UN global goals, technology pipelines, breakthrough innovation, regulatory design, green recovery trajectories



The Cranfield Masters: a different way of learning

These Themes have specialised elective modules, instead of a group project, allowing you to tailor you learning yet further

Group

project

- Defence and Security
- · School of Management

- Aerospace
- Energy and Power
- Environment and Agrifood
- Manufacturing
- Transport Systems
- Water

An introduction to your postgraduate degree through blended learning, building in complexity and depth as modules progress

Taught programme

Our signature group project, industry-focussed and delivered in teams to high professional standards

A deep dive into a sector-specific research topic, on your own, with expert supervision

Individual

thesis

Management and technology skill sets

Postgraduate skill sets that foster readiness for impact in employment

- Synthesis of specialist learning
- Reflective about behaviour in teams
- Timely, readable reports for industry
- Project management & deadline pressure
- How the 'firm' works, how technology works

Global citizenship

Our best students use the full University experience to hone their personalities for an engaged and connected world.

- making a difference
- engagement in community life
- shaping the student's contribution
- 'help me form my purpose'

https://www.youtube.com/watch?v=dhDg

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